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DOCKET NO. AB-389U

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Overstreet, et al.

Serial No.: 10/731,050


Filed: December 09, 2003

For: Optimizing Pitch and Other Speech
Stimuli Allocation in a Cochlear
Implant

Group Art
Unit: 2644

Examiner:

I hereby certify that this paper is being
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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Examiner:

Submitted herewith is PTO/SB/08 containing a list of items that are being disclosed to the U.S. Patent & Trademark Office (PTO) pursuant to 37 C.F.R. 1.56, 1.97 and 1.98.

This application claims the benefit of U.S. Provisional Patent Application Serial Number 60/433,037, filed December 11 2002 and U.S. Provisional Patent Application Serial Number 60/523,928, filed November 21, 2003.

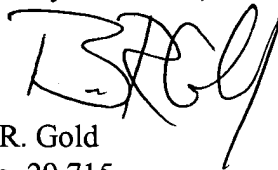
The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made. See 37 C.F.R. §1.97(g).

IDS
10/731,050
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Further, the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in § 1.56(b). See 37 C.F.R. §1.97(h).

All of the items listed on PTO/SB/08 are in the English language.

Respectfully submitted,



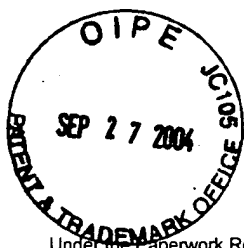
Bryant R. Gold
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Dated: 24 Sept., 2004

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PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
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Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/731,050	
			Filing Date	December 09, 2003	
			First Named Inventor	Overstreet, et al.	
			Art Unit	2644	
			Examiner Name		
Sheet	1	of	3	Attorney Docket Number	AB-389U

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US-3,751,605	08-07-1973	Michelson	
	A2	US-4,400,590	08-23-1983	Michelson	
	A3	US-4,495,384	01-22-1985	Scott, et al.	
	A4	US-4,819,647	04-11-1989	Byers, et al.	
	A5	US-5,603,726	02-18-1997	Schulman, et al.	
	A6	US-5,626,629	05-06-1997	Faltys, et al.	
	A7	US-5,938,691	08-17-1999	Schulman, et al.	
	A8	US-6,067,474	05-23-2000	Schulman, et al.	
	A9	US-6,078,838	06-20-2000	Rubinstein	
	A10	US-6,129,753	10-10-2000	Kuzma	
	A11	US-6,157,861	12-05-2000	Faltys, et al.	
	A12	US-6,181,969-B1	01-30-2001	Gord	
	A13	US-6,195,585-B1	02-27-2001	Karunasiri, et al.	
	A14	US-6,205,360-B1	03-20-2001	Carter, et al.	
	A15	US-6,208,882-B1	03-27-2001	Lenarz, et al.	
	A16	US-6,219,580-B1	04-17-2001	Faltys, et al.	
	A17	US-6,249,704-B1	06-19-2001	Maltan, et al.	
	A18	US-6,289,247-B1	09-11-2001	Faltys, et al.	
	A19	US-6,295,467-B1	09-25-2001	Kollmeier, et al.	
	A20	US-6,393,325-B1	05-21-2002	Mann, et al.	
	A21	US-6,415,185-B1	07-02-2002	Maltan	
	A22	US-6,516,227-B1	02-04-2003	Meadows, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	-Number ⁴ -Kind Code ⁵ (if known)			
	A23	WO-03/015863-A2		02-27-2003	Overstreet	

Examiner Signature		Date Considered	
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³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/731,050		
		Filing Date	December 09, 2003		
		First Named Inventor	Overstreet, et al.		
		Group Art Unit	2644		
		Examiner Name			
Sheet	2	of	3	Attorney Docket Number	AB-389U

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A24	HARNSBERGER, et al., "Perceptual "vowel spaces" of Cochlear Implant Users: Implications for the Study of Auditory Adaptation to Spectral Shift", J Acoust Soc Am, Vol 109(5) pt. 1, (May 2001), pages 2135-2145.	
	A25	McDERMOTT, et al., "Pitch Ranking with Nonsimultaneous Dual-Electrode Electrical Stimulation of the Cochlea", J Acoust Soc Am, Vol. 96(1), (1994) pages 155-162.	
	A26	RUBINSTEIN et al., "The Neurophysiological Effects of Simulated Auditory Prosthesis Simulation" Second Quarterly Progress Report NO1-DC-6-2111	
	A27	van WIERINGEN, et al., "Comparison of Procedures to Determine Electrical Stimulation Thresholds in Cochlear Implant Users", Ear and Hearing, Vol. 22(6), (2001), pages 528-538.	
	A28	ZENG, et al., "Loudness of Simple and Complex Stimuli in Electric Hearing", Annals of Otology, Rhinology & Laryngology, Vol. 104 (9), (1995) pages 235-238.	
	A29	ZHANG, et al., "Loudness of Dynamic Stimuli in Acoustic and Electric Hearing", J Acoust Soc Am, Vol. 102(5) Pt. 1, (Nov. 1997), pages 2925 - 2934.	
OTHER PRIOR ART - RELATED APPLICATIONS			
	A30	OVERSTREET and FALTYS inventors for AB-254U; U.S. Patent Application Serial No. 10/218,645; filed August 13, 2002; entitled "Cochlear Implant and Simplified Method for Fitting Same".	
	A31	FALTYS inventor for AB-257U; U.S. Patent Application Serial No. 10/218,616; filed August 13, 2002; entitled "Bionic Ear Programming System".	
	A32	SEGEL, OVERSTREET, KRUGER, and MISHRA inventors for AB-313U; U.S. Patent Application Serial No. 10/651,653; filed August 29, 2003; entitled "System and Method for Fitting a Cochlear Implant Sound Processor Using Alternative Signals".	
	A33	OVERSTREET inventor for AB-362U; U.S. Patent Application Serial No. 10/647,372; filed August 25, 2003; entitled "Enhanced Methods for Determining Iso-Loudness Contours for Fitting Cochlear Implant Sound Processors".	

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Sheet	3	of	3	Attorney Docket Number	AB-389U

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS); title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
OTHER PRIOR ART - RELATED APPLICATIONS			
	A34	MALTAN, MILLER, and HARRISON inventors for AB-376U; U.S. Patent Application Serial No. 10/662,615; filed September 30, 2003; entitled "Cochlear Implant Sound Processor with Permanently Integrated Replenishable Power Source".	
	A35	OVERSTREET, LITVAK, and FALTYS inventors for AB-378U; U.S. Patent Application Serial No. 10/698,097; filed October 31, 2003; entitled "Multi-Electrode Stimulation to Elicit Electrically-Evoked Compound Action Potential."	
	A36	OVERSTREET inventor for AB-379U; U.S. Patent Application Serial No. 10/698,098; filed October 31, 2003; entitled "Method and System for Generating a Cochlear Implant Program Using Multi-Electrode Stimulation to Elicit the Electrically-Evoked Compound Action Potential".	

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